

CRF Errors Corrected by the STIC System Branch

Serial Number: 09/913,351A

CRF Processing Date: 5/21/2003  
 Edited by: [Signature]  
 Verified by: [Signature] (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading, and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



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## RAW SEQUENCE LISTING

DATE: 07/14/2003

PATENT APPLICATION: US/09/913,351A

TIME: 11:56:16

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\07142003\I913351A.raw

```

3 <110> APPLICANT: DELGADO, AURORA BRIEVA
4     VILLARRUBIA, VINCENTE GARCIA
5     GOMEZ-PAMO, ANTONIO GUERRERO
6     RANIERI, JUAN PABLO PIVEL
7     GALLEGO, GUILLERMO GIMENEZ
8     TUDURI, JOSE ANTONIO MATJI
10 <120> TITLE OF INVENTION: PHARMACOLOGICALLY ACTIVE POLYPEPTIDE GLYCOCONJUGATES
12 <130> FILE REFERENCE: 618999-1/JP/B-4275
14 <140> CURRENT APPLICATION NUMBER: 09/913,351A
15 <141> CURRENT FILING DATE: 1999-10-21
17 <150> PRIOR APPLICATION NUMBER: PCT/ES99/00338
18 <151> PRIOR FILING DATE: 1999-10-21
20 <150> PRIOR APPLICATION NUMBER: ES P9900408
21 <151> PRIOR FILING DATE: 1999-02-26
23 <160> NUMBER OF SEQ ID NOS: 5
25 <170> SOFTWARE: PatentIn Ver. 2.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 230
29 <212> TYPE: PRT
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Description of Artificial Sequence: Formula
34     sequence
36 <220> FEATURE:
37 <221> NAME/KEY: MOD_RES
38 <222> LOCATION: (1)..(48)
39 <223> OTHER INFORMATION: Variable amino acid; this Xaa range may encompass
40     3-48 amino acids
42 <220> FEATURE:
43 <221> NAME/KEY: MOD_RES
44 <222> LOCATION: (50)..(62)
45 <223> OTHER INFORMATION: Variable amino acid; this Xaa range may encompass
46     9-13 amino acids
48 <220> FEATURE:
49 <221> NAME/KEY: MOD_RES
50 <222> LOCATION: (64)
51 <223> OTHER INFORMATION: Gln, Glu, Arg or Lys
53 <220> FEATURE:
54 <221> NAME/KEY: MOD_RES
55 <222> LOCATION: (65)
56 <223> OTHER INFORMATION: Variable amino acid
59 <220> FEATURE:
60 <221> NAME/KEY: MOD_RES

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61 <222> LOCATION: (66)  
62 <223> OTHER INFORMATION: Hydrophobic amino acid  
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65 <221> NAME/KEY: MOD\_RES  
66 <222> LOCATION: (67)  
67 <223> OTHER INFORMATION: Leu, Ile, Val or Met  
69 <220> FEATURE:  
70 <221> NAME/KEY: MOD\_RES  
71 <222> LOCATION: (68)..(106)  
72 <223> OTHER INFORMATION: Variable amino acid; this Xaa range may encompass  
73 15-39 amino acids  
75 <220> FEATURE:  
76 <221> NAME/KEY: MOD\_RES  
77 <222> LOCATION: (109)  
78 <223> OTHER INFORMATION: Hydrophilic amino acid  
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81 <221> NAME/KEY: MOD\_RES  
82 <222> LOCATION: (110)  
83 <223> OTHER INFORMATION: Gln, Glu or His  
85 <220> FEATURE:  
86 <221> NAME/KEY: MOD\_RES  
87 <222> LOCATION: (111)  
88 <223> OTHER INFORMATION: Leu or Val  
90 <220> FEATURE:  
91 <221> NAME/KEY: MOD\_RES  
92 <222> LOCATION: (112)..(117)  
93 <223> OTHER INFORMATION: Variable amino acid  
95 <220> FEATURE:  
96 <221> NAME/KEY: MOD\_RES  
97 <222> LOCATION: (119)  
98 <223> OTHER INFORMATION: Variable amino acid  
100 <220> FEATURE:  
101 <221> NAME/KEY: MOD\_RES  
102 <222> LOCATION: (121)..(122)  
103 <223> OTHER INFORMATION: Variable amino acid  
105 <220> FEATURE:  
106 <221> NAME/KEY: MOD\_RES  
107 <222> LOCATION: (123)  
108 <223> OTHER INFORMATION: Leu or Ile  
110 <220> FEATURE:  
111 <221> NAME/KEY: MOD\_RES  
112 <222> LOCATION: (124)..(179)  
113 <223> OTHER INFORMATION: Variable amino acid; this Xaa range may encompass  
114 13-56 amino acids  
117 <220> FEATURE:  
118 <221> NAME/KEY: MOD\_RES  
119 <222> LOCATION: (181)..(206)  
120 <223> OTHER INFORMATION: Variable amino acid; this Xaa range may encompass  
121 15-26 amino acids

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123 <220> FEATURE:  
 124 <221> NAME/KEY: MOD\_RES  
 125 <222> LOCATION: (208)  
 126 <223> OTHER INFORMATION: Variable amino acid  
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 129 <221> NAME/KEY: MOD\_RES  
 130 <222> LOCATION: (209)  
 131 <223> OTHER INFORMATION: Val, Ile, Leu or Met  
 133 <220> FEATURE:  
 134 <221> NAME/KEY: MOD\_RES  
 135 <222> LOCATION: (210)..(217)  
 136 <223> OTHER INFORMATION: Variable amino acid; this Xaa range may encompass  
 137 1-8 amino acids  
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 140 <221> NAME/KEY: MOD\_RES  
 141 <222> LOCATION: (218)..(230)  
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 143 1-12 amino acids  
 145 <400> SEQUENCE: 1

W--> 146 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 147 1 5 10 15  
 149 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 150 20 25 30  
 152 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 153 35 40 45  
 155 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa  
 156 50 55 60  
 158 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 159 65 70 75 80  
 161 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 162 85 90 95  
 164 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Cys Xaa Xaa Xaa Xaa  
 165 100 105 110  
 167 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 168 115 120 125  
 170 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 171 130 135 140  
 173 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 174 145 150 155 160  
 176 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 177 165 170 175  
 179 Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 180 180 185 190  
 182 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa  
 183 195 200 205  
 185 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 186 210 215 220  
 188 Xaa Xaa Xaa Xaa Xaa Xaa  
 189 225 230

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192 <210> SEQ ID NO: 2
193 <211> LENGTH: 37
194 <212> TYPE: PRT
195 <213> ORGANISM: Ricinus communis
197 <400> SEQUENCE: 2
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201 Glu Val Gln Arg Lys Asp Leu Ser Ser Cys Glu Arg Tyr Leu Arg Gln
202                               20               25               30
204 Ser Ser Ser Arg Arg
205   35
208 <210> SEQ ID NO: 3
209 <211> LENGTH: 68
210 <212> TYPE: PRT
211 <213> ORGANISM: Ricinus communis
213 <400> SEQUENCE: 3
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215   1                               5               10               15
217 Gln Val Arg Asp Glu Cys Gln Cys Glu Ala Ile Lys Tyr Ile Ala Glu
218                               20               25               30
220 Asp Gln Ile Gln Gln Gly Gln Leu His Gly Glu Glu Ser Glu Arg Val
221                               35               40               45
223 Ala Gln Arg Ala Gly Glu Ile Val Ser Ser Cys Gly Val Arg Cys Met
224   50                               55               60
226 Arg Gln Thr Arg
227   65
230 <210> SEQ ID NO: 4
231 <211> LENGTH: 34
232 <212> TYPE: PRT
233 <213> ORGANISM: Ricinus communis
235 <400> SEQUENCE: 4
236 Pro Ser Gln Gln Gly Cys Arg Gly Gln Ile Gln Glu Gln Gln Asn Leu
237   1                               5               10               15
239 Arg Gln Cys Gln Glu Tyr Ile Lys Gln Gln Val Ser Gly Gln Gly Pro
240                               20               25               30
242 Arg Arg
246 <210> SEQ ID NO: 5
247 <211> LENGTH: 65
248 <212> TYPE: PRT
249 <213> ORGANISM: Ricinus communis
251 <400> SEQUENCE: 5
252 Gln Glu Arg Ser Leu Arg Gly Cys Cys Asp His Leu Lys Gln Met Gln
253   1                               5               10               15
255 Ser Gln Cys Arg Cys Glu Gly Leu Arg Gln Ala Ile Glu Gln Gln Gln
256                               20               25               30
258 Ser Gln Gly Gln Leu Gln Gly Gln Asp Val Phe Glu Ala Phe Arg Thr
259                               35               40               45
261 Ala Ala Asn Leu Pro Ser Met Cys Gly Val Ser Pro Thr Glu Cys Arg
262   50                               55               60

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**RAW SEQUENCE LISTING**

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Input Set : A:\PTO.AMC.txt

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264 Phe

265 65

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/913,351A

DATE: 07/14/2003  
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Input Set : A:\PTO.AMC.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22  
Seq#:1; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41  
Seq#:1; Xaa Pos. 42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61  
Seq#:1; Xaa Pos. 62,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81  
Seq#:1; Xaa Pos. 82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100  
Seq#:1; Xaa Pos. 101,102,103,104,105,106,109,110,111,112,113,114,115,116  
Seq#:1; Xaa Pos. 117,119,121,122,123,124,125,126,127,128,129,130,131,132  
Seq#:1; Xaa Pos. 133,134,135,136,137,138,139,140,141,142,143,144,145,146  
Seq#:1; Xaa Pos. 147,148,149,150,151,152,153,154,155,156,157,158,159,160  
Seq#:1; Xaa Pos. 161,162,163,164,165,166,167,168,169,170,171,172,173,174  
Seq#:1; Xaa Pos. 175,176,177,178,179,181,182,183,184,185,186,187,188,189  
Seq#:1; Xaa Pos. 190,191,192,193,194,195,196,197,198,199,200,201,202,203  
Seq#:1; Xaa Pos. 204,205,206,208,209,210,211,212,213,214,215,216,217,219  
Seq#:1; Xaa Pos. 220,221,222,223,224,225,226,227,228,229,230